



American Psychosomatic Society

Integrating mind, brain, body and social context in medicine since 1942

75th Annual Scientific Meeting *Mobilizing Technology to Advance Biobehavioral Science and Health* March 15-18, 2017 Sevilla, Spain

WEDNESDAY MARCH 15

7:00am – 6:00pm

Registration
Convention Center

8:00am – 12:30pm

Young Investigator Colloquium
(by invitation only)
Room: Santa Cruz

8:00am – 12:00pm

APS Council Meeting
Room: Prado

8:30am – 4:30pm

Full Day Workshop

Emotions, Somatic Symptoms and Bodily Distress Syndromes

presented by APS and the European Association of Psychosomatic Medicine

Faculty: Richard Lane, MD, PhD; Alla Landa, PhD; Per Fink, MD, PhD, DMSc; Judith Rosmalen, PhD; Hans Knoop, PhD; Claudia Subic-Wrana, PhD; Wolfgang Söllner, MD; and Christoph Herrmann-Lingen, MD
Room: Giralda III

12:45pm – 4:45pm

Half Day Workshop

Harnessing Technology to Facilitate Behavioral Health Integration: Successes, Lesson Learned, and Future Directions

presented by the APS Professional Education Committee

Chairs: Eva Szigethy, MD and Steve Locke, MD
Faculty: David Daniel Ebert, PhD and Eva Szigethy, MD
Room: Giralda VI - VII

5:00pm – 5:30pm 75th Anniversary Plenary

Ink Blots, Truth Serum, and Nazi Brains on Ice: the American Psychosomatic Society in World War II

Introduction: Suzanne Segerstrom, PhD

Speaker: Joel Dimsdale, MD

Room: Giralda I - II

5:30pm – 6:45pm Welcome and Opening Session

The recipients of the 2017 APS travel scholarships and honor awards will be recognized during this session.

Distinguished Scientist Award Lecture:

Why We Should Study Essential Hypertension

Introduction: Joel Dimsdale, MD

Speaker and Award Recipient: J. Richard Jennings, PhD

Room: Giralda I - II

7:00pm – 8:30pm

Citation Poster Reception

Posters # 1 - # 35 will be presented

Room: Nervion/Arenal/Hall

8:30pm – 9:30pm

Student Reception

Students and Trainees are invited to this event but must be registered. Please visit the APS Registration Desk before 5:00 pm to attend.

Room: Giralda IV - V

THURSDAY MARCH 16

7:00am – 6:00pm

Registration
Convention Center

8:15am – 9:15am

Wellness Session:
Tai Chi
Instructor: Crista Crittenden, PhD
Room: Prado

8:15am – 9:15am

Membership Committee Meeting
Room: Buhaira (in the hotel)

9:15am – 10:15am

Plenary Address

Reconceptualizing Digital Mental Health to Overcome the Research-to-Practice Gap

Introduction: Bruce Rollman, MD

Speaker: David C. Mohr, PhD

Room: Giralda I - II

10:15am – 10:30am

transition

10:30am – 11:45am

Plenary Symposium

Conducting Research in the Post $p < .05$ Era

Moderator: Martica Hall, PhD; Discussant: Willem Kop, PhD, Editor-in-Chief, Psychosomatic Medicine

Speakers: Jessica Utts, PhD; Meredith Wallace, PhD; and Daniel Lakens, PhD

Room: Giralda I - II

11:45am – 12:15pm **Wellness Session:**
**Walking Meditation/
 Mindful Movement**
 Instructor: *Linda Carlson, PhD*
Room: Prado

12:15pm – 12:30pm **transition**

12:30pm – 1:45pm **Roundtables, Lunch/Free time or
 Committee Meetings**
*If you are attending a Roundtable Discussion, please note
 lunch will not be served.*

Roundtable #1: Conducting Research in the Post p<.05 Era
 Facilitators: *Martica Hall, PhD; Jessica Utts, PhD; Meredith
 Wallace, PhD; and Daniel Lakens, PhD*
Room: Santa Cruz

Roundtable #2: Lab to Lab Exchange
 Facilitators: *Mary-Frances O'Connor, PhD; Cristina Ottaviani, PhD;
 Urs Nater, PhD; Roland von Känel, PhD; Nicholas Rohleder, PhD*
Room: Buhaira (in the hotel)

Roundtable #3: Meet the Editors
 Facilitators: *Willem Kop, PhD and Peter Gianaros, PhD*
Room: San Bernardo (in the hotel)

1:45pm – 2:00pm **transition**

2:00pm – 3:15pm **Concurrent Sessions**

**Symposium 1066 / HARNESSING MHEALTH TECHNOLOGY
 TO ADVANCE INTERVENTION RESEARCH ON STRESS,
 ADDICTION, AND MENTAL HEALTH DISORDERS**
 Co-Chairs: *Mustafa al'Absi, PhD, Inbal (Billie) Nahum-Shani, PhD*
 Discussant: *Emre Ertin, PhD*
Room: Giralda I - II

1070 / Unobtrusive Measurement of Stress and Smoking
 Psychophysiological Markers in the Natural Environment
Andrine Lemieux, PhD

1068 / Acute Stressors, Discrimination, and Smoking Lapse
 Likelihood Among Underserved Groups
David W. Wetter, PhD

1067 / Stress-Management Just-In-Time Adaptive
 Interventions: Opportunities And Challenges
Inbal (Billie) Nahum-Shani, PhD

1069 / The Huge Benefits, and Enormous Risks, of Mobile
 Technologies for Research and Treatment
Joel Swendsen, PhD

**Symposium 1187 / CURRENT DIRECTIONS IN SES
 DISPARITIES RESEARCH: SOCIO-EMOTIONAL AND
 PHYSIOLOGICAL MECHANISMS**
 Co-chairs: *Meanne Chan, PhD and Jenny Cundiff, PhD*
Room: Giralda III

1190 / Widening Socioeconomic Gap in Child Development and
 Multi-Domain Mechanisms: Chinese Kindergarten Cohort Study
Frederick K. Ho, PGDE

1191 / Establishing Adaptive Social Capital in the Face of Risk:
 Subjective Social Status, Emotion Processing, and CVD Risk in
 Young Adults
Meanne Chan, PhD

1189 / Race/Ethnicity, Socioeconomic Status and Diagnosis
 with Pregnancy Cardio-Metabolic Disorders and Postpartum
 Cardio-Metabolic RISK
Kharah M. Ross, PhD

1192 / Socioeconomic Status and Acute Cardiovascular
 Responses to Stress in the Laboratory: A Systematic Review
Jennifer Morozink Boylan, PhD

**Symposium 1316 / HOW WILL THE GENOMICS ERA
 INFORM THE LINK BETWEEN SOMA AND PSYCHE?**
 Co-Chairs: *Eco J. de Geus, PhD, and Brenda Penninx, PhD*
 Discussant: *Peter Gianaros, PhD*
Room: Giralda IV - V

1318 / Genetic Determinants of Mental Stress Induced
 Myocardial Ischemia
Viola Vaccarino, MD, PhD

1319 / Findings from Genome-Wide Association Analyses for
 Personality Traits
Antonio Terracciano, PhD

1320 / Genetics of Depression: State-of-the Art and
 Implications for Psychosomatic Medicine
Brenda W. Penninx, PhD

1321 / Meta-Analysis on Genome-Wide Association Studies on
 Heart Rate Variability
Eco J. de Geus, PhD

Paper Session: SLEEP, CANCER AND INFLAMMATION
 Chair: *Kathrin Milbury, PhD*
Room: Giralda VI - VII

1405 / A Randomized, Controlled Trial of Neurofeedback to Treat
 Chemotherapy-Induced Peripheral Neuropathy (CIPN) Leads to
 Improvement in Multiple Secondary Endpoints
Sarah Prinsloo, PhD

1041 / Bright Light Therapy Improves Symptoms of Fatigue in
 Cancer Survivors with Clinical Fatigue: A Blinded Randomized
 Controlled Trial
Jillian Johnson, PhD

1116 / Preliminary effects of a technology-administered CBT-based
 stress-and self-management intervention on depression symptoms
 in men undergoing hormone therapy for advanced prostate cancer
Rina Fox, PhD, MPH

1137 / Expressive writing intervention and self-reported physical
 health outcomes: Results from a nationwide randomized controlled
 trial with breast cancer patients
Robert Zachariae, DMSc

1138 / Brief Stress Management Decreases Leukocyte Nuclear
 NFkB DNA Binding in Distressed Breast Cancer Patients
 Undergoing Primary Treatment
Michael Antoni, PhD

Paper Session: YOU GOTTA MOVEChair: *Crista Crittenden, PhD***Room: Santa Cruz**

1329 / Investigating the cross-stressor hypothesis under real-world conditions: Habitual physical activity as a moderator of the association between momentary anxiety, and heart rate and blood pressure

Ipek Ensari, PhD

1402 / Effect of Well-Being on Later Actigraphic Physical Activity

Jerrald Rector, PhD

1031 / A Randomized Controlled Trial of the Cognitive Effects of an Aerobic Exercise Training Intervention in Healthy Young Adults

Lars Margolis, BA

1131 / Aerobic Exercise Training and Inflammation across the Age Span - A Cautionary Tale

Richard Sloan, PhD**3:15pm – 3:30pm***transition***3:30pm – 4:30pm****Concurrent Sessions****Symposium 1051 / NEUROMODULATION OF EMOTION, COGNITION AND BEHAVIOR**Chair: *Andreana P. Haley, PhD***Room: Giralda I - II**

1564 / Electroencephalographic (EEG) Neurofeedback to Treat Physical and Emotional Conditions: A Brain-Computer Interface to Regulate Brain Activity

Sarah Prinsloo, PhD

1561 / Neuromodulation of Cognition Through Transcranial Laser Stimulation

Andreana P. Haley, PhD

1289 / Repetitive Transcranial Magnetic Stimulation for Regulation of Affect, Mood and Emotion

Asli Demirtas-Tatlidede, MD**Paper Session: RACIAL DISCRIMINATION**Chair: *David Wetter, PhD***Room: Giralda III**

1411 / Prospective Health Consequences of Socioeconomic Disadvantage Across the Life Span: The Mediating Roles of Discrimination and Unfair Treatment

Thomas Fuller-Rowell, PhD

1526 / Positive Association between Self-Reported Discrimination and Heart Rate Variability During a Racism Recall Task: Preliminary Evidence for the Compensation Hypothesis

Andrew Case, PhD

1643 / Racial Discrimination and Physiological Reactivity: The Moderating Roles of Racial Composition and Religious Attendance

Effua Sosoo, BA**Paper Session: COHORTS OF CARDIOVASCULAR DISEASE**Chair: *Martica Hall, PhD***Room: Giralda IV - V**

1508 / Occupational Status Moderates the Association between Depressive Symptoms and Predicted 10-Year Risk of Coronary Heart Disease in Participants of the French CONSTANCES Cohort

Emmanuel Wiernik, PhD

1199 / The Hostile, the Tense and the Distressed-Determinants of Multidimensional Psychosocial Risk Profiles in Patients with Coronary Heart Disease - THORESCI Study

Eveline van Montfort, MSc

1206 / Prevalence and Risk Markers of Early Psychological Distress After ICD Implantation in the European REMOTE-CIED Study Cohort

Ivy Timmermans, MSc

1397 / Alexithymia was not Associated with the Risk Of Incident Cardiovascular Diseases in the Supplementation En Vitamines Et Mineraux Antioxydants (SU.VI.MAX) Cohort

Emmanuel Wiernik, PhD**Paper Session: OBESITY, THE BRAIN AND THE ENVIRONMENT**Chair: *Misty Hawkins, PhD***Room: Giralda VI - VII**

1636 / Obesity Is Associated With Age-Related Hippocampal Volume Reduction

Michael Stanton, PhD

1349 / The Relationship of Food Insecurity with Obesity and Diabetes in a Low-Income, Migrant Community on the U.S.-Mexico Border

Jessica McCurley, MS

1180 / Parent Perception and Childhood Weight Gain: Psychological, Behavioral, and Physiological Mechanisms

Angelina Sutin, PhD

1458 / When Knowing Hurts: Self-Perceived Overweight Predicts Future Physical Health and Well-Being

Michael Daly, PhD

Paper Session: CONFLICT, SUPPORT AND OPTIMISMChair: *Julie Turner-Cobb, PhD***Room: Santa Cruz**

1425 / Norepinephrine Reactivity to Marital Support: Age Makes a Difference for Sympathetic Responses

Stephanie Wilson, PhD

1275 / Partner Conflict and Satisfaction are Associated with High Stable Cardio-metabolic Risk at 6 and 12 Months Postpartum

Kharah Ross, PhD

1537 / Positive and Negative Features of Social Relationships in Mothers Related to Telomere Length 3 Years Later

Jonah Price, BA

1611 / Dispositional optimism predicts inflammation in cross-sectional and longitudinal analyses

Jos Bosch, PhD**4:30pm – 5:00pm****Refreshment Break****5:00pm – 6:00pm****Concurrent Sessions****Symposium 1428 / HEALTH-RELEVANT SOCIAL ENVIRONMENT SAMPLING TECHNIQUES**Co-Chairs: *Megan L. Robbins, PhD and Joshua Smyth, PhD***Room: Giralda I - II**

1430 / The EAR as a Naturalistic Observation Measure of Patients' Social Behavior

Megan L. Robbins, PhD

1431 / Using Online Social Network Data to Investigate Pain Experiences

Robert C. Wright, MA

1429 / Using Ecological Momentary Assessment to Examine Gender Differences in Trait Rumination, Momentary Distress, and Diurnal Cortisol in Daily Life

Peggy M. Zoccola, PhD**Paper Session: LET'S BE POSITIVE**Chair: *Sarah Prinsloo, PhD***Room: Giralda III**

1323 / The Interaction between Stress and Positive Affect in Predicting Mortality

Judith Okely, MSc

1102 / Positive Emotion Variability is Associated with Circulating Inflammatory Markers

Dusti Jones, MS

1618 / Dispositional Optimism and Depressive Symptoms Show Independent and Interactive Associations with Inflammation

Jos Bosch, PhD

1327 / Potential Mechanisms Linking Positive Emotions and Health: Is Psychological Well-Being Related to the Adoption of a Healthier Lifestyle Over Time?

Claudia Trudel-Fitzgerald, PhD**Paper Session: DAYTIME FIELD RESEARCH**Chair: *Daryl O'Connor, PhD***Room: Giralda IV - V**

1269 / Is Fatigue at Work Due to Resource Depletion or Reduced Motivation? A Real-Time Intensive EMA Study of Working Nurses

Derek Johnston, PhD

1566 / The Relationship between Work Social Support and Ambulatory Blood Pressure

Lori Wadsworth, PhD

1171 / The Impact of Hostility Reduction Treatment on Affective Responses to Stressors Throughout the Day

Lisa Nilsson, Medical Student

1530 / Individual Differences in Daily Stress Processes and Cognitive Health in Old Age: A Measurement Burst Approach

Robert Stawski, PhD**Paper Session: STRESS, HEALTH, AND SURVIVAL**Chair: *Petra Wirtz, PhD***Room: Giralda VI - VII**

1497 / A Matter of Life and Death: Psychosocial Stress Predicts All-Cause Mortality over 20 Years

Joshua Wiley, PhD

1471 / Chronic Inflammation in Anxiety Disorders: A Systematic Review and Meta-Analysis

Megan Renna, MA

1565 / The Mitochondrial Health Index Links Chronic Stress and Psychosocial Factors to Cellular Bioenergetics

Martin Picard, PhD

1414 / An Unhealthy Lifestyle Index Predicting Longitudinal Course Of Depression and Anxiety

Sarah Hiles, PhD

Paper Session: SEX, MOOD, AND THE HEART

Chair: *Karl Maier, PhD*

Room: Santa Cruz

1424 / Sex Differences in Psychopathological Profile and Risk of Ischemia Among Young Patients with Recent Myocardial Infarction

Viola Vaccarino, MD, PhD

1475 / Sex-Specific Effects of Cardiovascular Reactivity on Myocardial Ischemia Induced by Mental Stress

Viola Vaccarino, MD, PhD

1021 / Social Inhibition, Emotional Distress and Type D Personality in Patients with Coronary Artery Disease

Johan Denollet, PhD

1351 / Cracking the Code: Everyday Emotion Alters Ventricular Repolarization Duration in Coronary Artery Disease

Richard Lane, MD, PhD

6:00pm – 6:30pm

**Wellness Session
Mindfulness Meditation: A Focus
on Breath, Body and Mind**
Instructor: *Eric Loucks, PhD*
Room: Prado

6:00pm – 6:30pm

Young Investigator Reception
Room: Blue Lounge Bar

6:30pm – 8:00pm

Poster Session 1
Posters # 36 - # 133 will be presented
Room: Nerion/Arenal

6:30pm – 8:00pm

Technology Demonstrations
Innovative software applications will be demonstrated

Burnout Protector ~ Roland von Känel, MD
Facereader® ~ Stephanie Duijndam, MSc
Painimation app ~ Charles Jonassaint, PhD
MyBp app ~ Matt Muldoon, MD
SHUTi ~ Lee Ritterband, PhD
Room: Nerion/Arenal

8:15pm – 9:30pm

Mentor/Mentee Program
You must have pre-registered for this event to attend. Please check at the APS Registration Desk for additional availability
Room: Giralda Restaurant

FRIDAY MARCH 17

7:00am – 6:00pm

Registration
Convention Center

8:00am – 9:00am

**Wellness Session:
Iyengar Yoga**
Instructor: *Tamara Bailey, PhD*
Room: Prado

**Sunrise Series:
Early Job Process**
Facilitators: *Matthew Cribbett, PhD*
and Jenny Cundiff, PhD
Room: Santa Cruz

**Professional Education
Committee Meeting**
Room: San Bernardo (in the hotel)

9:00am – 10:00am

Plenary Address

Social Determinants, Empowerment, and Health Inequality
Introduction: *Lorenzo Cohen, PhD*
Speaker: **Sir Michael Marmot FBA, FMedSci, FRCP**
Room: Giralda I - II

10:00am – 10:15am

transition

10:15am – 11:15am

Plenary Address

Developing and Disseminating Effective Psychological Therapies for Common Mental Health Problems: Science, Economics and Politics
Introduction: *Daryl O'Connor, PhD*
Speaker: **David M. Clark, CBE, FBA, FmedSci**
Room: Giralda I - II

11:15am – 11:45am

**Wellness Session:
Mindfulness Meditation: A Focus
on Fostering Personal and
Scientific Innovation**
Instructor: *Eric Loucks, PhD*
Room: Prado

11:45am – 12:00pm

transition

12:00pm – 1:15pm

**Roundtables, Lunch/Free time or
Committee Meetings**

*If you are attending a Roundtable Discussion, please note lunch **will not** be served.*

**Roundtable #4: Impacting Health and Wellness Through
Research Discoveries**

Facilitators: *Joachim Fischer, MD and Sir Michael Marmot FBA, FMedSci, FRCP*
Room: Santa Cruz

Psychosomatic Medicine Editorial Board Meeting

(by invitation only)

Room: San Bernardo (in the hotel)

Developmental Origins of Health and Disease SIG

Room: Buhaira (in the hotel)

1:15pm – 2:30pm Concurrent Sessions

Invited NIH Symposium: Science of Behavior Change

Moderator: *Ian Kronish, MD*; Discussant: *Donald Edmonson, PhD*

Speakers: *Lis Nielsen, PhD; Eric Loucks, PhD; Channing Jang, PhD; and Joshua Smyth, PhD*

Room: Giralda I - II

Symposium 1027 / THE ENDURING INFLUENCE OF RESPONSIVE OTHERS: IMPLICATIONS FOR HEALTH AND LONGEVITY ACROSS THE LIFESPAN

Co-Chairs: *Ledina Imami, MA and Sarah Stanton, PhD*

Discussant: *Beate Ditzen, PhD*

Room: Giralda III

1029 / Social (dis)Connection and Mortality Risk: A more Nuanced Approach Needed for Effective Interventions?

Julianne Holt-Lunstad, PhD

1256 / Partner Responsiveness Predicts All-Cause Mortality via Daily Negative Affect Reactivity: A 20-Year Longitudinal Study

Sarah Stanton, PhD

1257 / Self-disclosure and Perceived Responsiveness in Youth with Asthma: Links to Gene Expression and Psychological Well-being

Ledina Imami, MA

1582 / The Social Buffering of the HPA Axis in Children and Adolescents: The Role of Perceived Support from Close Friends

LillyBelle K. Deer, BA

Symposium 1361/ eHEALTH FOR HIV PREVENTION

Chair: *Brian Mustanski, PhD*

Room: Giralda IV - V

1418 / Interim Outcomes from an Online HIV Prevention Program for Diverse Young Men who Have Sex with Men

Brian Mustanski, PhD

1363 / A Stepped-Care Evaluation of a Package of eHealth HIV Prevention Programs for Adolescent Gay and Bisexual Boys: The SMART Program

Michael Newcomb, PhD

1413 / Give Them What They Want: Preferences for Sexual Health Apps for Gay and Bisexual Men

Jeffrey T. Parsons, PhD

1423 / Providing a Basic Package of HIV Prevention Services for At-Risk Men Who Have Sex With Men in the United States

Patrick Sullivan, PhD, DVM

Invited Diversity Initiative Symposium: Health Disparities among US Hispanics

Chair: *Tené Lewis, PhD*; Discussant: *Maria Llabre, PhD*

Speakers: *Neil Schneiderman, PhD; Rosalba Hernandez, PhD; Carmela Alcantara, PhD; and Shakira Suglia, PhD*

Room: Giralda VI - VII

Paper Session: THE HARMS AND MODIFICATION OF PRENATAL STRESS

Chair: *Julie Turner-Cobb, PhD*

Room: Prado

1580 / Prenatal Stress in Low-Income, Overweight Mothers Predicts Infant Physical Illness Assessed Via Medical Records

Nicole Bush, PhD

1276 / Preliminary Findings on General and Pregnancy-specific Anxiety Associated with Interleukin-6 in Second Trimester of Pregnancy

Kharah Ross, PhD

1563 / The Effects of Maternal Cortisol and Postpartum Depression on Infant Salivary Cortisol

Lauren Dunne, BA

1204 / Being Mindful During Pregnancy Predicts Not Only Mood of the Mother But Also Birth Weight of the Child

Ivan Nyklicek, PhD

1547 / Impact of a Prenatal Cognitive Behavioral Stress Management Intervention on Regulating Cortisol Levels Among Low-Income Mothers and their Infants

Guido Urizar, PhD

2:30pm – 2:45pm transition

2:45pm – 3:45pm Concurrent Sessions

Invited Symposium: Impact of Trauma on Health in Refugee Populations

Chair: *Danielle L. Beatty Moody, PhD*

Speakers: *Bengt Arnetz, MD, PhD, MPH, MScEpi; Susanne de Rooij, PhD; and Kaz de Jong, PhD*

Room: Giralda I - II



**Emotions in Social Relationships:
Implications for Health and Disease**

October 20-21, 2017 in Berkeley, California
Call for Posters coming this summer
www.psychosomatic.org

Symposium 1219 / BEAT-TO-BEAT BLOOD PRESSURE VARIABILITY IN A LARGE, NATIONAL STUDY: RESULTS FROM THE MIDLIFE IN THE US STUDY

Co-Chairs: *Richard P. Sloan, PhD and Tara Gruenewald, PhD*

Discussant: *Joseph Schwartz, PhD*

Room: Giralda III

1228 / Effects of Age, Sex, and Race on Beat To Beat Blood Pressure Variability – The MIDUS Study

Richard P. Sloan, PhD

1230 / Beat-to-Beat Blood Pressure Variability and Cognition in the MIDUS Study

Joshua Sweigert, BS

1229 / The Aging Baroreflex and its Association with Cognitive Function and Mortality Risk

Tara Gruenewald, PhD

Paper Session: PSYCHO-ONCOLOGY

Chair: *Wolfgang Söllner, MD*

Room: Giralda IV - V

1328 / Being Happy and Expecting the Best: Is Psychological Well-Being Associated with Future Cancer Risk?

Claudia Trudel-Fitzgerald, PhD

1410 / Nighttime Distress and Interleukin-6 in Explaining the Relationship between Adjuvant Chemotherapy and Sleep Latency in Malignant Post-surgical Gynecologic Oncology Patients

Chantel Ulfing, MS

1151/ An Index of Vagal Neuroimmuno-Modulation Predicts Longer Survival in Two Fatal Cancers

Yori Gidron, PhD

1156 / Web-Based Stepped Collaborative Care Intervention in the Oncology Setting: Lessons Learned from the Pilot Study and Advances in Technology

Jennifer Steel, PhD

Paper Session: METABOLIC SYNDROME, DIABETES AND MENTAL HEALTH

Chair: *John Ryan, PhD*

Room: Giralda VI – VII

1166 / Socioeconomic Status and Prevalence of Metabolic Syndrome and Risk Factors: The Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

Tasneem Khambaty, PhD

1092 / Ethnicity and Excess Mortality in Severe Mental Illness: A Cohort Study

Jayati Das-Munshi, PhD, MSc, MRCPsych, MBBS, BS

1030 / Specific Symptoms of Depression and Incident Type 2 Diabetes: Results from the Emotional Well-Being, Metabolic Factors, and Health Status Study

Sonya Deschênes, PhD

1237 / Type 2 Diabetes Mellitus in Severe Mental Illness; Inequalities by Ethnicity And Age - Cross-Sectional Analysis of 588,408 Records From the UK

Jayati Das-Munshi, PhD, MSc, MRCPsych

Paper Session: TECHNOLOGY-BASED INTERVENTIONS

Chair: *Linda Carlson, PhD*

Room: Prado

1528 / A Remote Sensing Platform for Supporting Exercise is as Effective as Traditional Supervised Exercise for Improving Cardiorespiratory Fitness In People with Cardiovascular Disease

Ralph Maddison, PhD

1553 / Is Computerized Cognitive Behavioral Therapy an Effective Mental Health Treatment for both African Americans and Whites?

Charles Jonassaint, PhD

1437 / Biobehavioural Therapy For Epilepsy: Technological Application Of Galvanic Skin Response (GSR) Biofeedback to Reduce Epileptic Seizures

Yoko Nagai, PhD

1033 / Combined Group and Technology-Supported Singing Interventions for Postnatal Depression: Psychological and Biological Results from a Three-Arm Randomised Control Trial

Daisy Fancourt, PhD

3:45pm – 4:15pm

Refreshment Break

4:15pm – 5:30pm

Plenary Symposium

Technology and the Future of Biobehavioral Health

Moderator: *Nina Kupper, PhD*; Discussant: *David Mohr, PhD*

Speakers: **Lee Ritterband, PhD; Heleen Riper, PhD; and Noam Shoval, PhD**

Room: Giralda I - II

5:30pm – 6:00pm

Wellness Session:

Loving Kindness

(Metta) Meditation

Instructor: *Linda Carlson, PhD*

Room: San Bernardo (in hotel)

6:00pm – 7:30pm

Poster Session 2

Posters # 134 - # 219 will be presented

Room: Nerion/Arenal

8:00pm

Past Leaders Dinner

Offsite (*invitation only*)

7:00am – 6:00pm **Registration**
Convention Center

7:30am – 8:30am **Sunrise Series:**
On Aging Research
Facilitators: *Lisbeth Nielsen, PhD;*
Martica Hall, PhD; Carolyn Gibson,
PhD; and Tara Gruenewald, PhD
Room: Prado

8:30am – 9:15am **APS Members Meeting**
Room: Giralda I - II

9:15am – 10:15am **President's Address**

APS' 75th Anniversary: Past, Presence and Future of Psychosomatic Movements in an Ever-Changing World
Introduction: *Wolfgang Söllner, MD*
Speaker: **Christoph Herrmann-Lingen, MD**
Room: Giralda I - II

10:15am – 10:30am *transition*

10:30am – 12:40pm **Awards Presentations**
Room: Giralda I - II

Patricia R. Barchas Award Lecture
Introduction: *Derek W. Johnston, PhD*
Speaker and Award Recipient: **Andrew Steptoe, DSc**

Herbert E. Weiner Early Career Award Lecture
Introduction: *Stephen Manuck, PhD*
Speaker and Award Recipient: **David Creswell, PhD**

Paul D. McLean Award Lecture
Introduction: *Peter Gianaros, PhD*
Speaker and Award Recipient: **Hugo Critchley, DPhil, FRCPsych**

12:45pm – 1:00pm *transition*

1:00pm – 2:15pm **Roundtables or Lunch/Free time**
If you are attending a Roundtable Discussion, please note lunch will not be served.

Roundtable #5: "How can the findings of psychosomatic medicine be integrated into the clinical care of patients? What are the tasks for the future?"
Facilitators: *Wolfgang Söllner, MD and Antonio Lobo, MD, PhD*
Room: Prado

Roundtable #6: Neuroscience Discussion with MacLean Award recipient
Award Recipient: *Hugo Critchley, DPhil, FRCPsych;* Facilitator: *Richard Lane, MD, PhD*
Room: Buhaira (in the hotel)

Roundtable #7: Psycho-oncology and Technology: Possibilities and Pitfalls for a Paradigm Shift
Facilitators: *Linda Carlson, PhD; Sarah Prinsloo, PhD; and Kathrin Milbury, PhD*
Room: San Bernardo (in the hotel)

2:15pm – 3:15pm **Concurrent Sessions**

Symposium 1088 / EARLY LIFE ADVERSITY PREDICTS CORONARY HEART DISEASE: EVIDENCE, MECHANISMS AND IMPLICATIONS

Chair: *Richard Lane, MD, PhD*
Discussant: *Christoph Herrmann-Lingen, MD*
Room: Giralda III

1142 / Associations of Adverse Childhood Experiences with Cardiovascular Disease Incidence and Mortality: An Overview with Implications on Providing Stronger Tests for Causality
Eric B. Loucks, PhD

1182 / Endothelial Dysfunction, a Potential Mechanism Linking Early Life Stress and Cardiovascular Disease
Shaoyong Su, PhD

1155 / Early Life Adversities and Risk Factors for Cardio-metabolic Disease: A Population Cohort Followed to Mid-Life
Christine Power, PhD

Paper Session: FROM RUMINATION TO PTSD

Chair: *Cristina Ottaviani, PhD*
Room: Giralda IV - V

1450 / Resting Heart Rate Variability and its Relation to Maladaptive and Adaptive Facets of Rumination and Trait Anxiety
Nicole Feeling, MA

1292 / Challenge and Threat Imagery Manipulates Heart Rate and Anxiety Responses to Stress
Sarah Williams, PhD

1586 / Post-traumatic Stress Disorder in Primary Care
Raz Gross, MD, MPH

1599 / Ecological Momentary Assessment of Daily Variation in Posttraumatic Stress Symptoms
Quinn Biggs, PhD, MPH

Paper Session: ADVERSITY: FROM COMMUNITY TO GENES

Chair: *LaBarron Hill, PhD*
Room: Giralda VI - VII

1186 / Perceived Neighborhood Disadvantage is Associated with Poorer Objectively Measured Sleep Efficiency in a Probability Sample of African American Adults
Wendy Troxel, PhD

1540 / Retrospective recall of childhood abuse and midlife subclinical cardiovascular disease: Cross-sectional and longitudinal associations

Thomas Kraynak, BA

1254 / Multimodal Associations of Childhood Maltreatment with the Stria Terminalis and its Bed Nucleus

Layla Banihashemi, PhD

1112 / Trauma-associated MECP2 Gene Methylation in Refugees: Implication for HPA-axis Regulation

Bengt Arnetz, MD, PhD, MPH, MScEpi

Symposium 1415 / INCREASING THERAPEUTIC PRECISION IN PSYCHOSOMATIC MEDICINE THROUGH N-OF-1 STUDIES

Chair: *Ian Kronish, MD, MPH*

Discussant: *Paige Green, PhD*

Room: Santa Cruz

1420 / Are N-of-1 Trials Useful for Achieving Therapeutic Precision in the Treatment of Depression? A Systematic Review of N-of-1 Trials for Depressive Symptoms

Ian Kronish, MD, MPH

1421 / Acceptability and Preferences for Participating in N-Of-1 Trials: A National Survey of Patients with Multiple Chronic Comorbidities

Nathalie Moise, MD, MS

1419 / A Personalized Stress Fingerprint: Does Knowing Your Stress Barriers and Facilitators Improve your Daily Exercise Bouts?

Karina Davidson, PhD

3:15pm – 3:30pm *transition*

3:30pm – 4:15pm **Concurrent Sessions**

Paper Session: SLEEP

Chair: *Matthew Cribbet, PhD*

Room: Giralda III

1573/ Association of Posttraumatic Stress Disorder with Sleep Dysfunction in Male Veteran Twins

Amit J. Shah, MD, MSCR

1015 / Temporal Dynamics Between Daily Affect, Pain, and Nightly Sleep Quality in Young Adults

Danica Slavish, MS

1181/ Remnants of the Past: Childhood Trauma Exposure and Age First Traumatic Exposure Relate to Poor Sleep Health

Ryan C. Brindle, PhD

Paper Session: DRUGS AND PLACEBOS

Chair: *Mustafa al'Absi, PhD*

Room: Giralda IV - V

1245 / Do Antidepressant Smoking Cessation Treatments Produce the Best Outcome for Depressed Smokers?

George Papandonatos, PhD

1502 / Genetics, Shared, or Non-Shared Environment? An Experimental Twin Study on Placebo Analgesia

Katja Weimer, PhD

1503 / Social Learning of Placebo Effects Through Observation in Children: Unfamiliar Models are More Effective than the Mother

Katja Weimer, PhD

Paper Session: NEUROIMMUNOLOGY

Chair: *Nina Kupper, PhD*

Room: Santa Cruz

1235 / Elevated Threat-Sensitivity and Reduced Reward-Sensitivity Associated with Increased Peripheral Inflammation Among Young Adults

Iris Ka-Yi Chat, MA

1374 / Exposure to an Inflammatory Challenge Enhances Neural Sensitivity to Negative and Positive Social Feedback

Keely Muscatell, PhD

1521 / Pro- And Anti-Inflammatory Challenges Differentially Modulate Amygdala Emotional Reactivity and Predict Development/Amelioration of Depressive Symptoms

Neil Harrison, MBBS, PhD

3:30pm – 4:30pm

Paper Session: DEPRESSION AND THE HEART

Chair: *Christoph Herrmann-Lingen, MD*

Room: Giralda VI – VII

1477 / The Association Between Visual, Hearing and Dual Sensory Impairment with Depression and Anxiety Over Six Years : Findings from the Tromso Study

Suzanne Cosh, PhD

1178 / Anxiety And Depressive Symptoms Profiles Associated with Subclinical Atherosclerosis Among Hispanics: Results from the PREVENCIÓN Study

Diana Chirinos, PhD

1124 / Depressive Symptoms in Patients With an Implantable Cardioverter Defibrillator: Is it all about Treatment Expectations?

Susanne Pedersen, PhD

1556 / Association of Depressive Symptoms with Heart Rate Variability Density in Veteran Twins

Amit Shah, MD, MSCR

4:15pm – 4:45pm Refreshment Break**4:45pm – 5:30pm Concurrent Sessions****Paper Session: HEALTH BEHAVIORS**Chair: *Ian Kronish, MD***Room: Giralda IV - V**1396 / Perseverative Cognition and Health Behaviors:
A Systematic Review and Meta-Analysis**Daryl O'Connor, PhD**1338 / Appearance Concerns But Not Health Promotion
Motivates Fitbit-Assessed Physical Activity Behavior in
Middle-Aged and Older Women.**William Goodman, MA**1490 / Which Exercise or Behavioral Interventions are
Most Effective for Treating Fatigue in People With Multiple
Sclerosis (MS)? A Detailed Systematic Review with
Network Meta-Analysis**Rona Moss-Morris, PhD****Paper Session: IRRITABLE BOWEL SYNDROME AND
THE BRAIN**Chair: *Eva Szigethy, MD***Room: Giralda VI - VII**1498 / Resting State Functional Connectivity in Irritable Bowel
Syndrome**Michiko Kano, MD, PhD**1500 / Impaired Top-Down Regulation to Hypothalamic-
Pituitary-Adrenal Axis from the Pregenual Anterior Cingulate
Cortex in Patients with Irritable Bowel Syndrome**Michiko Kano, MD, PhD**1337 / Alexithymic Families? Higher Levels of Alexithymia in
Adolescents with Inflammatory Bowel Disease VS Adolescents
with Cystic Fibrosis**Sergio Oteri, PhD****Paper Session: NEUROSCIENCE**Chair: *David Creswell, PhD***Room: Santa Cruz**1525 / Cross-Sectional and Longitudinal Associations Between
Blood Pressure and Hippocampal Volume**Annie Ginty, PhD**1546 / Emotional Processing in Supportive Marriages:
Increased Amygdala Activation in an fMRI Investigation**Erin Kaseda**1404 / The Representative Developing Brain: Does Sampling
Strategy Matter for Neuroscience and what are the Implications
for Studies Integrating the Social and Biological?**Kaja LeWinn, ScD****5:30pm – 7:00pm****Poster Session 3**Posters # 220 - # 301 will be
presented**Room: Nerion/Arenal****7:30pm – 11:00pm****Closing Banquet****Giralda I - II**

Additional Information

About APS

The American Psychosomatic Society is an international organization devoted to biopsychosocial research and integrated clinical care, and to providing a forum via its Annual Meeting and journal, *Psychosomatic Medicine*, for sharing this research. Its members are from around the world, including specialists from all medical and health-related disciplines, the behavioral sciences, and the social sciences. Membership information is available at the APS Registration Desk.

Poster Tours

During the Poster Sessions on Thursday, Friday and Saturday, a Past President of the Society will lead up to 15 meeting attendees through a narrated tour of 6-7 posters of clinical significance. The tour is also intended to provide conference attendees who are clinical practitioners with an opportunity to meet and share interests relevant to applied research. There is no cost to participate in a tour – please visit the APS Registration Desk for availability.

Photo Release

By attending the APS Annual Meeting, registrants consent to be photographed during the course of the meeting, with the understanding that those images may be used in APS documents, publications or on the website. If you prefer to not have your image used by APS, please contact info@psychosomatic.org or visit the APS Registration Desk.

Exhibits APS is pleased to welcome BIOTEKNA, an Italian Biomedical Technologies company as an exhibitor at this meeting. BioTekna will be featuring electromedical equipment – plethysmograph technology to analyze the activity of the autonomic nervous system and heart rate variability.

APS 75TH Annual Scientific Meeting – March 15-18, 2017 – Sevilla, Spain

Meeting Objectives

At the conclusion of this meeting, participants will be able to:

1. Understand the application of technology-assisted behavioral and psychological interventions.
2. Learn about the association between social inequalities and health and some of the mediating variables.
3. Understand the use, misuse, and future perspectives of common statistical approaches in behavioral science.

Continuing Education Information

ACCME Credit Statement:

Amedco designates this live activity for a maximum of 17.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACCME Approval Statement:

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Amedco and American Psychosomatic Society. Amedco is accredited by the ACCME to provide continuing medical education for physicians.

APA Credit Statement:

This activity has been approved for a maximum of 17.25 hours.

APA Approval Statement:

This course is co-sponsored by Amedco and the American Psychosomatic Society. Amedco is approved by the American Psychological Association to sponsor continuing education for psychologists. Amedco maintains responsibility for this program and its content.

APS is pleased to acknowledge that funding for the APS Young Scholar Awards and Minority Initiative Travel Awards is provided by a grant from the National Institutes of Health (NIA; R13 AG056137-01: M Hall, PI). Program Officer: Lisbeth Nielsen, PhD

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A Message from the APS President

Christoph Herrmann-Lingen, MD

Happy birthday, APS!

In 1942, now 75 years ago, Dr. Helen Flanders Dunbar, the founding (and so far only female) Editor-in-Chief of *Psychosomatic Medicine* wrote in a letter to the readers of the Journal and other possibly interested colleagues:

*"Dear Doctor,
Because of the increasing importance of psychosomatic medicine in relation to the present War Emergency it has been decided to organize a Society for Research in Psychosomatic Problems. ...
The first meeting will be held with the Society for Research in Nervous and Mental Diseases in New York on Friday, December 18th. The topic for discussion will be Fatigue."*

And indeed, one year after the Japanese attack on Pearl Harbor, two weeks after the first self-sustained nuclear chain reaction and despite war-related restrictions on travel, more than 300 attendees, rather than the expected 50, followed the invitation and participated in the totally overcrowded inaugural meeting of the Society which only a few years later was given its current name, the American Psychosomatic Society.

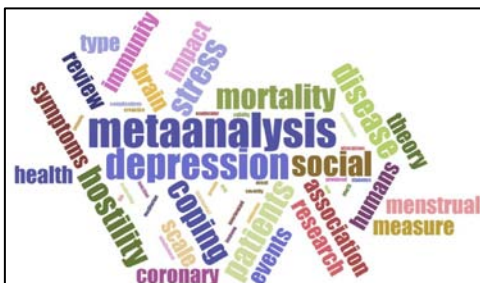
While APS was organized as an interdisciplinary scientific society from the beginning, the early years were dominated by mainly male MDs, most of them psychiatrists. It took another 30 years for Margaret T. Singer to become the first female (and the first PhD) President of the Society.

Things have changed a lot since then and reasons for this change are multiple. One reason may be that some core aspects of psychosomatic medicine have become popular in many areas of medicine. Psychosomatic research questions now seem to be more readily accepted by major medical societies, their conferences and journals than they had been in the past. Nowadays, several medical practice guidelines explicitly address psychosomatic topics. This increased acceptance is closely related to decades of intensive research using refined methods and measurements.

These refinements have a lot to do with advanced technology, which is one of the key factors shaping APS' current research and membership structure, and undoubtedly one of the reasons why the 2017 Program Committee chose the theme "*Mobilizing Technology to Advance Biobehavioral Science and Health*" for this meeting.

In the 75th year of its foundation, we can proudly congratulate ourselves on our Society's anniversary. Please join me in celebrating the jubilee with our members, trainees, colleagues and friends from around the world during this and the upcoming meetings of the Society. Please read on for further information on the various anniversary-related activities in a condensed version of Dr. Rebecca Reed's recent article for the APS Newsletter.

On behalf of the APS Council, and past, current and future members, I welcome you to this special meeting!



APS's 75th Anniversary Celebration

Rebecca G. Reed, PhD

APS's 75th Anniversary will be celebrated throughout the year, beginning with this meeting and continuing through the Mid-year Meeting in October 2017 in Berkeley, California, and ending with the 2018 Annual Meeting next March. As we begin the celebration, here's a look at the early years, and what to expect for the next twelve months!

APS' seventy five years reflect the staying power of our Society, as well as the relevance of and interest in the field of psychosomatic medicine. Donald Oken, Past Editor of our Journal, *Psychosomatic Medicine*, described in an editorial ^[1] that the durability of the Society is due in large part to the "bio-psycho-social model" (using the term coined by George Engel, APS Past-President ^[2]) that guides our research and clinical endeavors. Oken reflected that this approach represented a paradigm shift for medicine. Today, the bio-psycho-social approach is the prevailing conceptual model for all of psychosomatic science.

APS has been championed by several influential people and its enduring legacy is reflected in the themes of papers that made an impact on the field. To give you a sample of these early APS papers, take a look at the word cloud below Christoph's article that visually represents words from the titles of the top 25 most-highly-cited articles in *Psychosomatic Medicine* during the first four decades of the Society. The contents of these classic articles reveal surprisingly contemporary topics! To highlight the historical roots of current cutting-edge research, we have identified papers from the earlier years of *Psychosomatic Medicine* that relate to the themes of the paper sessions being presented at this meeting. These papers are posted on the APS website and on the meeting APP, and the session chairs will provide brief comments on those connections at the start of each session.

This meeting will also mark the introduction of an Anniversary Video Series of interviews with past leaders of APS and influential scholars in psychosomatic medicine. Interviewees will address critical questions pertaining to APS' past, present, and future, and selected portions of these interviews will be shown here in the meeting rooms between sessions, and in public areas of the meeting venue. The full length videos will be posted on the APS website following the meeting.

At the 2017 Mid-Year Meeting, *Emotions in Social Relationships: Implications for Health and Disease*, three outstanding individuals will be recognized with the 75th Anniversary Award. The Anniversary Award acknowledges scientific excellence at mid-career and beyond in scientists with expertise in the thematic research area linking affective science, social relationships, and physiological processes or physical illness. Awardees were selected based upon their overall scientific excellence and impact in relation to their career stage and will present their work at the meeting. We are very excited to announce that Drs. Naomi Eisenberger, Janice Kiecolt-Glaser, and Mary-Frances O'Connor have been selected for the 75th Anniversary Awards.

Please watch for other Anniversary events to be announced as planning for the 2018 Annual Meeting gets underway and we look forward to commemorating 75 years of the American Psychosomatic Society with you. What better time to reconnect with friends and colleagues while forming new connections and ideas that will propel us into the upcoming years!

1. Oken, D. (1992). Editorial Farewell. *Psychosomatic Medicine*, 54, 262-263.
2. Engel G.L. (1977). The need for a new medical model: A challenge for biomedicine. *Science*, 196, 129-36.